

## AWWA 2018 Water Audit Level 1 Validation – Review Document

Validator Provided

### Audit Information:

Utility: Marina Coast Water District PWS ID: 2710017  
System Type: Potable Audit Period: Calendar 2018  
Utility Representation: Paul Lord, Patrick Green, Amelia Sobrepena, Derek Cray, Mike Wegley  
Validation Date: 8/6/2019 Call Time: 11:00am Sufficient Supporting Documents Provided: Yes

### Validation Findings & Confirmation Statement:

#### Key Audit Metrics:

Data Validity Score: 68 Data Validity Band (Level): Band III (51-70)  
ILI: 2.26 Real Loss: 41.99 (gal/conn/day) Apparent Loss: 4.03 (gal/conn/day)  
Non-revenue water as percent of cost of operating system: 1.4%

#### Certification Statement by Validator:

This water loss audit report has been Level 1 validated per the requirements of California Code of Regulations Title 23, Division 2, Chapter 7 and the California Water Code Section 10608.34.

All recommendations on volume derivation and Data Validity Grades were incorporated into the water audit. ☒

### Validator Information:

Water Audit Validator: Drew Blackwell Validator Qualifications: Contractor for California Water Loss TAP

## 2018 AWWA Water Audit Level 1 Validation

Water System Name:

Water System ID Number:

Water Audit Period:

Marina Coast Water District

#2710017

Calendar Year 2018

### Water Audit & Water Loss Improvement Steps:

Steps taken in preceding year to increase data validity, reduce real loss and apparent loss as informed by the annual validated water audit:

- The number of unmetered, residential accounts has been reduced considerably. 450 previously unmetered residential housing units were metered in 2018. Billed Unmetered water consumption (estimated) dropped from 190 AF in 2017 to 65 AF in 2018.
- To more accurately determine customer consumption, an adjustment for lag time in customer meter reading data was made.
- The ongoing, prioritized effort to replace older, failing meter registers continued throughout 2018.
- A calculation was made to determine the net change in distribution storage between January 1<sup>st</sup> and December 31<sup>st</sup>.
- A more precise calculation of the number of service connections was made. 1" fire/domestic use services were not double-counted.

### Certification Statement by Utility Executive:

This water loss audit report meets the requirements of California Code of Regulations Title 23, Division 2, Chapter 7 and the California Water Code Section 10608.34 and has been prepared in accordance with the method adopted by the American Water Works Association, as contained in their manual, *Water Audits and Loss Control Programs, Manual M36, Fourth Edition* and in the Free Water Audit Software version 5.

Keith Van Der Maaten

General Manager



9/5/19

Executive Name (Print)

Executive Position

Signature

Date